MATSUSHITA Compressor
MODEL# QA77K19GAU6

Single Phase 115 V
R-134a 60 Hz

Voltage Range . . . . . 103 Volts to 127 Volts @ 60 Hz
Application . . . . . High Back Pressure
Compressor Cooling . . . . Fan Cooling

Refrigerant Control . . Capillary Tube
Evaporator
Temp. Range . . . . . 23°F to 59°F / -5°C to 15°C

Rated Performance Data

Capacity . . . . . 2,834 Btu/h ±10% *
E.E.R. . . . . 7.58 Btu/Wh ±10% *
Current . . . . . 4.14 Amps *

Nominal Motor Data	Motor Input . . . . . 374 Watts*
	Rated Current . . . 3.15 Amps
	Type . . . . . RSIR, PTC relay

Locked Rotor	20.3 Amps
Start Current	27.4 Amps
Coil Resistances @ 68°F (20°C)	Run . . . . 1.75 Ohms Start . . . 6.89 Ohms

*Test Conditions for Performance Specifications

Test Oil . . . . . Freol α 22
Shell Temp . . . . . 170.0°F / 76.0°C
Condensing Temp . . . . . 130.0°F / 54.4°C
Evaporating Temp . . . . . 45.0°F / 7.2°C
Ambient Temp . . . . . 95.0°F / 35.0°C
Gas Superheat . . . . . 95.0°F / 35.0°C
Liquid Sub-Cooling . . . . . 115.0°F / 46.1°C

Electrical Accessories†

Overload Protector
Nominal Operating Characteristics

Model Name	MM3-54FC
Manufacturer	Matsushita
Temperature To	Open: 239°F ± 9°F / 115°C ± 5°C
	Close: 142°F ± 15°F / 61°C ± 8°C
Trip Current	@158°F (70°C) 5.4 Amps ± 7.5%
	@77°F (25°C) 14.5 Amps @ 18 sec. max.

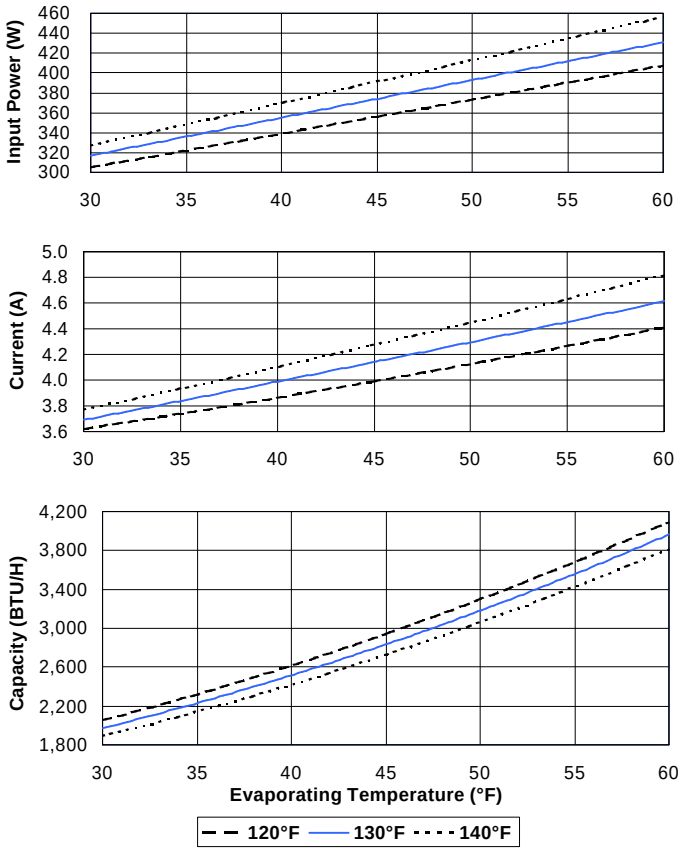
P.T.C. Starting Device
Nominal Operating Characteristics

Model Name	MM8-5CDP4M7	PTH7M4R7MC1	
Manufacturer	Matsushita	Murata Mfg.	
Base resistance @ 77°F(25°C) ±20%	4.7	4.7	Ohms
Power Consumption (max)	4.0	3.0	Watts
Operation time	1.5 to 3.5	0.7 to 2.2	seconds
Recovery time (max)	85	70	seconds

Run Capacitor — µF — V (min.)

†Although these accessories are listed by UL/CSA for use with this compressor, Matsushita assumes no responsibility whatsoever for these or any other components sourced by the refrigeration system manufacturer from third parties.

Performance Curves



9 – Point Data

Condensing Temp.	Rating	Evaporating Temp. +30°F	+45°F	+59°F
140°F	Btu/h	1,888	2,725	3,735
	Watts	327	391	452
	Amps	3.77	4.27	4.78
	E.E.R.	5.77	6.97	8.26
130°F	Btu/h	1,973	2,834	3,882
	Watts	317	374	427
	Amps	3.69	4.14	4.58
	E.E.R.	6.22	7.58	9.09
120°F	Btu/h	2,052	2,940	4,008
	Watts	305	356	404
	Amps	3.62	3.99	4.38
	E.E.R.	6.73	8.26	9.92

Panasonic®

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Rev#1-5/9

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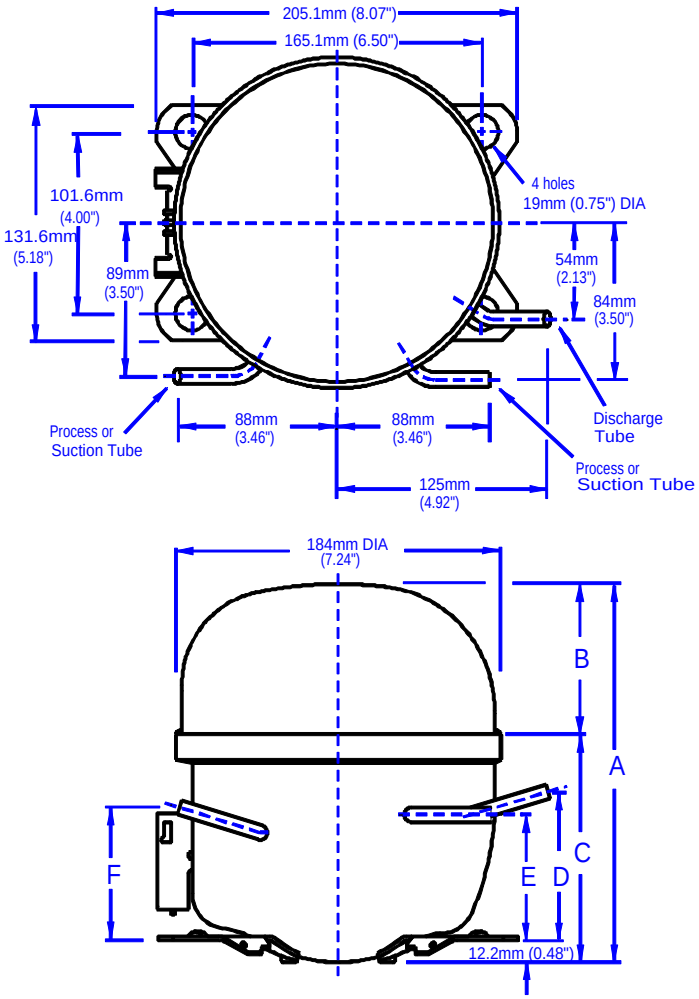

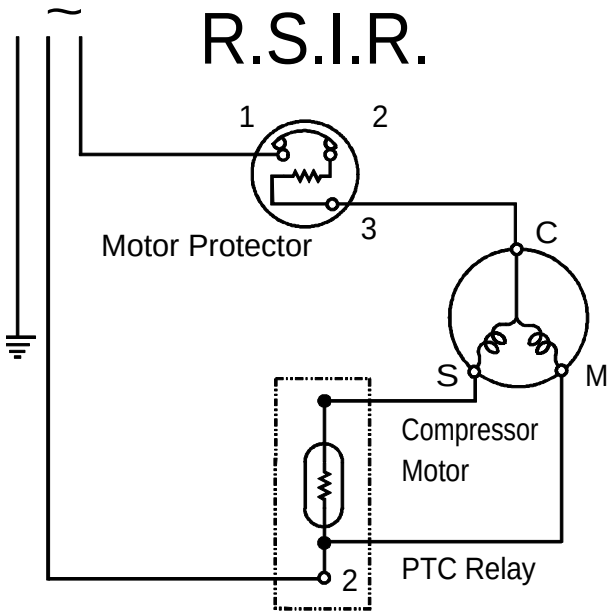

Dimensions*

	mm	inches
A	199.6	7.86
B	83.8	3.30
C	115.8	4.56
D	77.0	3.03
E	62.2	2.45
F	77.0	3.03

* All dimensions are for reference only

This document sets forth certain operational parameters and conditions for operation of this product. If this product is operated outside of the parameters and conditions stated herein, buyer assumes sole and full responsibility and shall indemnify seller with respect to all product failures and all consequences thereof. Operation of the product outside of the parameters and conditions specified herein shall serve to invalidate all seller warranties, if any, with respect to the product. This document is for reference only. For specifications, please contact Panasonic's engineering department.

Tubes	Tube O.D.	Wall	Material
Suction	0.39 in. / 10 mm	0.035 in. / 0.9 mm	Copper
Process	0.39 in. / 10 mm	0.035 in. / 0.9 mm	Copper
Discharge	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper

U.L. File # . . . . . SA 4615
C.S.A. File #'s . . . . . LR - 34080
LR - 36593
LR - 100738

General Data
Oil Charge . . 250 cc ± 5 cc / 15.3 cu.in. ± 0.3 cu.in.
Net Weight With Oil . . . . . 20.7 lbs, 9.4 kg
Approved Oils . . . . . FREOL α 22
Residual Moisture . . . . . 120 mg max.
Impurities . . . . . 10 mg max.
Displacement . . . . . 7.69 cc. / 0.469 cu. in.

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